Australian Journal of Experimental Agriculture Index to Volume 27, 1987

Alexander, G., Stevens, D., and Bradley, L. R. Fostering in sheep: fostering lambs onto ewes whose lambs have died soon after birth Fostering in sheep: experiences with the use of neatsfoot oil Allen, D. G. See Bolland, M. D. A. Allen, J. G. See Morcombe, P. W. Anderson, G. W., and Moore, R. W. Productivity in the first seven years of a Pinus radiata-annual pasture agroforest in Western Australia 231 Archer, K. A., Wolfe, E. C., and Cullis, B. R. Flowering time of cultivars of subterranean clover in New South Wales 791 Ash, A. J., and Norton, B. W. The productivity of Australian cashmere goats grazing Pangola grass and supplemented with untreated and formaldehyde treated protein meals Axelson, A. See Coombe, J. B. Bailey, Peter, and Comery, Janet Management of Heliothis punctigera on field peas in south-eastern Australia Baker, M. J. See Bolland, M. D. A. Banks, L. W., and Bernardi, A. L. Growth and yield of indeterminate soybeans. 1. Effect of defoliation 889 2. Effect of removal of the mainstem apex Barbetti, M. J. Evaluation of fungicides for control of Cercospora zebrina on subterranean clover 107 Effects of temperature and humidity on disease caused by Phoma medicaginis, resistance in some Medicago cultivars and the incidence of seed borne inoculum Barrie, J. T. See Reed, K. F. M. Bartsch, B. D. See Valentine, S. C. Barton, N. J., and McCausland, I. P. Production and economic returns from Merino weaner sheep subjected to four frequencies of anthelmintic administration in East Gippsland, Victoria Batten, G. D., and Khan, M. A. Uptake and utilisation of phosphorus and nitrogen by bread wheats grown under natural rainfall Effect of time of sowing on grain yield, and nutrient uptake of wheats with contrasting phenology Bean, K. G., Seifert, G. W., Macqueen, A., and Doube, B. M. Effect of insecticide treatment for control of buffalo fly on weight gains of steers in coastal central Queensland Bennett, N. W. See Raadsma, H. W. 493

Bernardi, A. L.

Berrie, D. A.

See Banks, L. W.

See Winks, R.

889, 897

Berthelson, J. E. See Jackson, K. J. 149 Birkenhead, J. A. See Lush, W. M. 323 Birrell, H. A. See Walsh, G. L. 807 Blackshaw, A. W. See Blackshaw, Judith K. Blackshaw, Judith K. See Petherick, J. Carol Blackshaw, Judith K., Blackshaw, A. W., and Kusano, T. Cattle behaviour in a saleyard and its potential to cause bruising Blair, Graeme J. See Scott, James M. 367 Blowes, W. M. Effect of ryegrass root residues, knockdown herbicides, and fungicides on the emergence of barley in soils Bolland, M. D. A. Effectiveness of topdressed and incorporated superphosphate and Duchess rock phosphate for subterranean clover on sandy soils near Esperance. Western Australia 87 Seed production of Trifolium substraneum subsp. brachycalycinum as influenced by soil type and grazing 539 Bolland, M. D. A., and Baker, M. J. Increases in soil water content decrease the residual value of superphosphate 571 Bolland, M. D. A., Baker, M. J., and Lunt, R. J. Effectiveness of superphosphate and crandallite-millisite rock phosphates on a deep, very sandy soil as assessed by plant growth and soil extractable phosphate Bolland, M. D. A., and Collins, W. J. Persistence of seed produced from single seed crops of subterranean clover on sandy soils near Esperance. Western Australia 81 Bolland, M. D. A., Gilkes, R. J., Allen, D.G., and D'Antuono, Residual value of superphosphate and Queensland rock phosphate for serradella and clover on very sandy soils as assessed by plant growth and bicarbonate-soluble phosphorus Bowdler, T. M. See Lowe, K. F. Bowman, P. J. See White, D. H. Bradley, L. R. See Alexander, G. 765, 771 Bremner, K. C. See Winks, R. 189 Bretag, T. W., and Mebalds, M. I. Pathogenicity of fungi isolated from Cicer arietinum (chickpea) grown in north-western Victoria Bromfield, S. M. Simple tests for the field assessment of aluminium and manganese levels in acid soils 399 Bromfield, S. M., Cumming, R. W., David, D. J., and Williams, C. H. Long-term effects of incorporated lime and topdressed lime

on the pH in the surface and subsurface of pasture

Brooke, H. D.

See Coventry, D. R. 679

Brown, G. A.

See Wood, P. McR. 77

Buchanan, G. A.

The distribution of grape phylloxera, Daktulosphaira vitifolii (Fitch), in central and north-eastern Victoria 591

Burns, M. A.

See Winks, R. 189

Butler, B. J.

See Murray, G. M. 411

Butler, L. G., King, W. R., and McDonald, C. L.

Growth of young Merino sheep grazing cereal stubbles and supplemented *ad libitum* with oats, of different crude protein contents, sprayed with various amounts of urea 339

Cameron, D. F.

See Davis, R. D. 67

Campbell, M. H., Kemp, H. W., Murison, R. D., Dellow, J. J., and Ridings, H.

Use of herbicides for selective removal of Eragrostis curvula (Schrad.) Nees from a Pennisetum clandestinum pasture 359

Campbell, S. J.

See Daniells, J. W. 725

Chapman, A. L., and Myers, R. J. K.

Nitrogen contributed by grain legumes to rice grown in rotation on the Cununurra soils of the Ord Irrigation Area, Western Australia 155

Chaplain, N. P.

See Clarkson, N. M. 257

Cheam, A. H.

Emergence and survival of buried doublegee (Emex australis Steinh.) seeds 101

Chin, J. F.

See Reed, K. F. M. 267

Clarkson, N. M., Chaplain, N. P., and Fairbairn, M. L. Comparative effects of annual medics (Medicago spp.) and nitrogen fertiliser on the herbage yield and quality of subtropical grass pastures in southern inland Queensland 257

Clark, S. G., and Hirth, J. R.

Growth and persistence of Mediterranean genotypes of mid to late maturing subterranean clover (*Trifolium subterraneum*) in Victoria 551

Coates, D. B., Mannetje, L. 't., and Seifert, G. W.

Reproductive performance and calf growth to weaning of Hereford and Hereford Red cattle in subtropical, subcoastal Oueensland

Coates, D. B., Schachenmann, P., and Jones, R. J.
Reliability of extrusa samples collected from steers
fistulated at the oesophagus to estimate the diet of

resident animals in grazing experiments Collins, W. J.

See Bolland, M. D. A. 81

Comery, Janet

See Bailey, Peter 439

Coombe, J. B., Axelson, A., and Dove, H.
Rape and sunflower seed meals as supplements for sheep

513

grazing cereal stubbles Cooper, J. E.

See Strong, W. M. 295

Corcoran, R. J.

See Heather, N. W. 465

Cornish, P. S. See Mailer, R. J. 707 Cornish, P. S., and Lymbery, J. R.

Reduced early growth of direct drilled wheat in southern New South Wale: causes and consequences 869

Coughlan, K. J.

See Loch, R. J. 585

Coventry, D. R., and Kollmorgen, J. F.

An association between lime application and the incidence of take-all symptoms on wheat on an acid soil in northeastern Victoria 695

Coventry, D. R., Morrison, G. R., Reeves, T. G., Hirth, J. R., and Fung, K. K. H.

Mineral composition and responses to fertiliser of wheat grown on a limed and deep ripped soil in north-eastern Victoria 687

Coventry, D. R., Reeves, T. G., Brooke, H. D., Ellington, A., and Slattery, W. J.

Increasing wheat yields in north-eastern Victoria by liming and deep ripping 679

Coy, J.

See Raadsma, H. W. 493

Cripps, J. E. L.

Response of apple trees to soil applications of phosphorus, nitrogen and potassium 909

Croker, K. P.

See Morcombe, P. W. 19

Cullis, B. R.

See Archer, K. A. 791

Cumming, R. W

See Bromfield, S. M. 533

Cunningham, P. J.

See Reed, K. F. M. 267

Cunningham, R. B. See Dann, P. R. 431

Dalal, R. C.

See Strong, W. M. 295

Daniells, J. W., O'Farrell, P. J., Mulder, J. C., and Campbell, S. J.

Effect of plant spacing on yield and plant characteristics of banana in North Queensland 725

Dann, P. R., Thomas, A. G., Cunningham, R. B., and Moore, P. H. R.

Response by wheat, rape and field peas to pre-sowing herbicides and deep tillage 431

D'Antuono, M. F.

See Bolland, M. D. A. 275

David, D. J.

See Bromfield, S. M. 533

Davis, R. D., Irwin, J. A. G., Shepherd, R. K., and Cameron, D. F.

Yield losses caused by Colletotrichum gloeosporioides in three species of Stylosanthes 67

de Boer, R. F.

See Kollmorgen, J. F. 419

Dellow, J. J.

See Campbell, M. H. 359

Desmarchelier, J. M., and Dines, J. C. Dryacide treatment of stored wheat: its efficacy against

Dryacide treatment of stored wheat: its insects, and after processing 309 Dines, J. C.

See Desmarchelier, J. M. 309

Dobos, R. C.

See Valentine, S. C. 195

Dobos, R. C., Fulkerson, W. J., and Michell, P. J.

Effects on milk production of feeding wheat supplements to grazing dairy cows in early lactation 41

Dolling, C. H. S.

See Walkley, J. R. W. 205

Donald, G. E. See Langlands, J. P. 485 Doube, B. M. See Bean, K. G. 329 Dove, H. See Coombe, J. B. 513 Dowling, P. M., Robinson, G. G., and Murison, R. D. An evaluation of three aerial pasture development methods on the Northern Tablelands of New South Wales. in terms of herbage on offer, botanical composition and animal performance 389 Doyle, A. D., McLeod, R. W., Wong, P. T. W., Hetherington. S. E., and Southwell, R. J. Evidence for the involvement of the root lesion nematode Pratylenchus thornei in wheat yield decline in northern New South Wales East, I. J. See Winks, R. Ellington, A. See Coventry, D. R. 679 Fairbairn, M. L. See Clarkson, N. M. 257 Fang, C. S. See MacNish, G. C. 671 Fernandes, A. See Redden, R. J. 455 Fisher, J. A. See Leys, A. R. Francis, Aileen See Stovold, G. E. Fulkerson, W. J. See Michell, P. J. See Dobos, R. C. Fung, K. K. H. See Coventry, D. R. 687 Gardener, C. J. See McIvor, John G. 857 Gardner, I. A. See Greer, E. B. 343 Gardner, W. K. See McDonald, G. K. 661 George, A. P., and Nissen, R. J. Effects of cincturing, defoliation and summer pruning on the vegetative growth and flowering of custard apple (Annona cherimola × Annona squamosa) in subtropical Queensland 915 Gilbert, M. A., Moody, P. W., and Shaw, K. A. Fertility assessment of soils of the Mt Garnet area. North Oueensland Gilbert, M. A., and Shaw, K. A. Fertility of a red earth soil of Mid-Cape York peninsula Giles, L. R. See Greer, E. B. 27 See Bolland, M. D. A. Gill, G. S., Poole, M. L., and Holmes, J. E. Competition between wheat and brome grass in Western Australia Goodwin, P. B. See Siddique, M. A. 179 Graham, N. McC. 223 See Margan, D. E. Grant, I. L. See Lewis, D. C. 711

Greer F B Lack of effect of regular movement and of mixing groups on the performance of growing pigs 217 Greer, E. B., Mort, P. C., Lowe, T. W., and Giles, L. R. Accuracy of ultrasonic backfat testers in predicting carcass P2 fat depth from live pig measurement and the effect on accuracy of mislocating the P2 site on the live 27 Hall, B. See Redden, R. J. 455 Hancock, G. R. See Wood, P. McR. 77 Hancock, G. R., Vogel, P., and Petterson, D. S. A high performance liquid chromatographic assay for the mycotoxin phomopsin A in lupin stubble Hargreaves, P. A. See Heather, N. W. 465 Heather, N. W., Hargreaves, P. A., Corcoran, R. J., and Melksham, K. J. Dimethoate and fenthion as packing line treatments for tomatoes against Dacus tryoni (Froggatt) Herrod, W. See Phillips, D. 335 Hetherington, S. E. See Doyle, A. D. 563 Hill, Stuart J. See Rattigan, Kevin 905 Hinkley, R. B. See Leys, A. R. Hirth, J. R. See Clark, S. G. See Coventry, D. R. 687 Hochman, Z. See Murray, G. M. Holmes I. F. See Gill, G. S. 291 Holst, P. J. Supplementary feeding of oat grain or lucerne hay to crossbred ewes at lambing 211 Irwin, J. A. G. See Davis, R. D. See Jackson, K. J. 149 Jackson, K. J., Irwin, J. A. G., and Berthelson, J. E. Sources of Alternaria carthami inoculum in safflower 149 Johnson, E. R. Comparison of twelfth rib and rump fat thickness measurements for predicting commercial beef yield in local market carcasses 613 Jones, R. J. See Coates, D. B. Jones, R. M. See Simao Neto, M. 239, 247 Jones, R. M., and Simao Neto, M. Recovery of pasture seed ingested by ruminants. 3. The effects of the amount of seed in the diet and of diet quality on seed recovery from sheep Kearins, R. D. See Raadsma, H. W. Keating, B. A., and Mott, J. J.

Growth and regeneration of summer-growing pasture

legumes on a heavy clay soil in south-eastern

Queensland

Kelly, J. G. See Winks, R. 189 Kelly, K. B., and Mason, W. K. Effects of irrigation timing on seedling establishment and productivity of subterranean clover pastures Effects of irrigation timing in autumn and spring on seed production of subterranean clover, and the change in permeability and rate of germination of seed Kemp, H. W. See Campbell, M. H. Kennett, A. M., and Siebert, B. D. Effects of implants of oestradiol plus progesterone on the growth and intramuscular fat composition of steers raised in southern Australia Kenney, P. A. Lupins in grain diets for drought-affected lambs weaned at different ages 625 Kenney, P. A., and Roberts, G. B. Productivity of ewes grazing lupin stubbles at mating in north-eastern Victoria 619 Khan, M. A. See Batten, G. D. 405, 881 King, W. R. See Butler, L. G. 339 Kirton, D. See Redden, R. J. 455 Influence of environmental factors on the germination and establishment of barley grass (Hordeum glaucum) and annual ryegrass (Lolium rigidum) 525 Kollmorgen, J. F. See Coventry, D. R. 695 Kollmorgen, J. F., Ridge, P. E., and de Boer, R. F. Effects of tillage and straw mulches on take-all of wheat in the Northern Wimmera of Victoria Kusano, T. See Blackshaw, Judith K. Lambourne, L. J. See Strickland, R. W. 45 Langlands, J. P., Donald, G. E., and Smith, A. J. Analysis of data collected in a residue survey: copper and zinc concentrations in liver, kidney and muscle in Australian sheep and cattle 485 Langdon, P. W. See Lowe, K. F. See Pegg, K. G. See Whiley, A. W. 173 Lee, T. C. See Wicks, T. Lewis, D. C., Potter, T. D., Weckert, S. E., and Grant, I. L. Effect of nitrogen and phosphorus fertilisers on the seed yield and oil concentration of oilseed rape (Brassica napus L.) and the prediction of responses by soil tests and past paddock use 711 Lewis, P. A. See Valentine, S. C. Leys, A. R., Hinkley, R. B., and Fisher, J. A. Response of wheat cultivars to early post-emergence herbicides containing MCPA (2-methyl-4chlorophenoxyacetic acid) Loch, R. J., Coughlan, K. J., and Mulder, J. C. Effects on frequency on peanut (Arachis hypogae L.) cropping on some properties of krasnozem and euchrozem soils in the South Burnett Area,

Queensland

See Wicks, T.

Lomman, G.

585

Lowe, K. F., Langdon, P. W., and Bowdler, T. M. Combined effects of leaf spot diseases caused by Stemphylium vesicarium (Wallr.) Simmons and Leptosphaerulina trifolii (Rostr.) Petr. on lucerne cultivars, and the efficacy of some fungicidal control methods Lowe, T. W. See Greer, E. B. 27 Lunt, R. J. See Bolland, M. D. A. 647 Lush, W. M., and Birkenhead, J. A. Establishment of turf using advanced ('pregerminated') seeds 323 Lymbery, J. R. See Cornish, P. S. 869 McCausland, I. P. See Barton, N. J. 795 McDonald, C. L. See Butler, L. G. 339 See Suiter, R. J. 629 McDonald, G. K., and Gardner, W. K. Effect of waterlogging on the grain yield response of wheat to sowing date in south-western Victoria McIvor, John G. Changes in germinable seed levels in soil beneath pastures near Townsville, North Queensland McIvor, John G., and Gardener, C. J. Effect of boiling water treatment on hardseededness and germination in some Stylosanthes species McLeod, R. W See Doyle, A. D. 563 MacNish, G. C., and Fang, C. S. Effect of short chemical fallow on rhizoctonia bare patch and root rot of wheat at Esperance, Western Australia Macqueen, A. See Bean, K. G. 329 Mailer, R. J., and Cornish, P. S. Effects of water stress on glucosinolate and oil concentrations in the seeds of rape (Brassica napus L.) and turnip rape (Brassica rapa L. var. silvestris [Lam.] Briggs) 705 Mannetje, L. 't. See Coates, D. B. Margan, D. E., Graham, N. McC., and Searle, T. W. The energy value of whole oats grain in adult wether sheep 223 (Correction on Contents page of Issue 5) Mason, M. G. Effects of dicyandiamide (a nitrification inhibitor) on leaching of nitrogen and growth of cereals Mason, W. K. 545, 799 See Kelly, K. B. See Slarke, R. H. Mayer, R. See Redden, R. J. 455 Mebalds, M. I. See Bretag, T. W. 141 Mehanni, A. H. Reclamation of saline/sodic soil by aquifer pumping, application of tillage and gypsum and reuse of saline groundwater Melksham, K. J. See Heather, N. W. Menzel, C. M., and Simpson, D. R. Effect of cincturing on growth and flowering of lychee over several seasons in subtropical Queensland

Petterson, D. S.

Ponzoni, R. W.

See Gill, G. S.

Poole, M. L.

Potter, T. D.

See Hancock, G. R.

See Wood, P. McR.

See Walkley, J. R. W.

73

77

carcasses with the Hennessy Grading Probe

The measurement of subcutaneous fat depth on hot beef

Phillips, D., Herrod, W., and Schafer, R. J.

Michell, P. J. See Dobbs, R. C. Michell, P. J., and Fulkerson, W. J. Effect of grazing intensity in spring on pasture growth, composition and digestibility, and on milk production by dairy cows Mickan, F. J. See Thomas, G. W. Moody, P. W. See Gilbert, M. A. Moore, P. H. R. See Dann, P. R. 431 Moore, R. W. See Anderson, G. W. Morcombe, P. W., Croker, K. P., and Allen, J. G. Liver damage and the liveweight changes in Merino wether weaners grazing mixed crops of oats and sweet narrow-leafed lupins Morrison, G. R. See Coventry, D. R. Mort, P. C. See Greer, E. B. Mott, J. J. See Keating, B. A. 633 Mulder, J. C. See Daniells, J. W. 585 See Loch, R. J. Murison, R. D. See Campbell, M. H. 359 389 See Dowling, P. M. Murray, G. M., Scott, B. J., Hochman, Z., and Butler, B. J. Failure of liming to increase grain yield of wheat and triticale in acid soils may be due to the associated increase in incidence of take-all (Gaeumannomyces 411 graminis var. tritici) Myers, R. J. K. See Chapman, A. L. Nissen, R. J. See George, A. P. Norton, B. W See Ash, A. J. O'Farrell, P. J. See Daniells, J. W. 725 Olsson, K. A. See Taylor, A. J. Overton, J. See Wicks, T. Pegg, K. G. See Whiley, A. W. 173 Pegg, K. G., Whiley, A. W., Langdon, P. W., and

Penrose, L.

Perry, M. W.

See Lewis, D. C. 711 Pritchard, K. E. Yield and quality of irrigated summer fodder crops in northern Victoria 817 Raadsma, H. W., Kearins, R. D., Bennett, N. W., Coy, J., and Watts, J. E. An evaluation of classing Merino sheep for fleece rot susceptibility Raadsma, H. W., Watts, J. E., and Warren, H. Effect of wither malformation on the predisposition of sheep to fleece rot and body strike Rab, Md Abdur, and Willatt, S. T. Water use by irrigated potatoes on a duplex soil Radford, B. J. Effect of cultivar and temperature on the coleoptile length and establishment of barley Radford, B. J., and Wildermuth, G. B. Effect of sowing depth, seed dressings, a press wheel, cultivars and trifluralin on the establishment of barley Ramsey, M. D., Vawdrey, L. L., and Schipke, L. G. Evaluation of systemic and protectant fungicides for the control of Sigatoka leaf spot (Mycosphaerella musicola Leach) of bananas in North Queensland Ratcliff, D. 45 See Strickland, R. W. See Simao Neto, M. Rattigan, Kevin, and Hill, Stuart J. Relationship between temperature and flowering in almond: effect of location Redden, R. J., Usher, T., Younger, D., Mayer, R., Hall, B., Fernandes, A., and Kirton, D. Response of navy beans to row width and plant population density in Queensland 455 Reed, K. F. M., Cunningham, P. J., Barrie, J. T., and Chin, J. F. Productivity and persistence of cultivars and Algerian introductions of perennial ryegrass (Lolium perenne L.) in Victoria 267 Reeves, T. G. See Coventry, D. R. 679, 687 See Steed, G. R. Ridge, P. E. See Kollmorgen, J. F. 419 Comparison of phosetyl-Al, phosphorous acid and metalaxyl for the long-term control of Phytophthora Ridings, H. See Campbell, M. H. 359 root rot of avocado 471 Roberts, G. B. See Kenney, P. A. Influence of weight of seed on hyphal growth of the take-all Robinson, G. G. pathogen, Gaeumannomyces graminis var. tritici, in See Dowling, P. M. 389 wheat roots grown in sand culture Robson, A. D., and Snowball, K. Response of narrow-leafed lupins to cobalt application in See Thorn, C. W. 349 relation to cobalt concentrations in seed Petherick, J. Carol, and Blackshaw, Judith K. Roget, D. K., Venn, N. R., and Rovira, A. D. A review of the factors influencing the aggressive and Reduction of Rhizoctonia root rot of direct-drilled wheat agonistic behaviour of the domestic pig by short-term chemical fallow 425

Rogers, I. S. See Wicks, T.

Rose, I. A.
Sowing-date responses of early maturing indeterminate soybean genotypes in northern New South Wales 135

Evaluation of soybean breeding lines by examining their response to sowing date and row spacing 719

Rovira, A. D. See Roget, D. K. 425

Saffigna, P. G.
See Strong W. M. 295
Saranah, J. B.
See Whiley, A. W. 173
See Pegg, K. G. 471
Schachenmann, P.
See Coates, D. B. 739

Schafer, R. J. See Phillips, D. 335

Schipke, L. G. See Ramsey, M. D. 919 Scott, B. J.

See Murray, G. M. 411 Scott, James M., and Blair Graeme J.

Competition from Vulpia myuros (L.) C. C. Gmelin in pastures, and its control by coating seeds with herbicides 367

Searle, T. W. See Margan, D. E. 223

Seifert, G. W. See Coates, D. B. 1 See Bean, K. G. 329

Shaw, K. A.
See Gilbert, M. A. 93, 863

Shepherd, R. K. See Davis R. D. 67

Shorter, R., and Simpson, B. W. Peanut yield and quality variation over harvest dates, and evaluation of some maturity indices in south-eastern Queensland 445

Siddique, M. A., Somerset, G., and Goodwin, P. B.

Time of harvest, prethreshing treatment and quality in snap bean (*Phaseolus vulgaris*) seed crops

179

Siebert, B. D. See Kennett, M. 747

Simao Neto, M., Jones, R. M., and Ratcliff, D. Recovery of pasture seed ingested by ruminants. 1. Seed of six tropical pasture species fed to cattle, sheep and goats 239

Simao Neto, M., and Jones, R. M. Recovery of pasture seed ingested by ruminants. 2.

Digestion of seed in sacco and in vitro 247
Simao Neto, M.

See Jones, R. M. 253 Simpson, B. W.

See Shorter, R. 445 Simpson, D. R.

See Menzel, C. M. 733 Slarke, R. H., and Mason, W. K.

Effect of growth stage at cutting on yield and quality of lucerne cultivars from different dormancy groups in northern Victoria 55

Slattery, W. J. See Coventry, D. R. 679 Smith, A. J.

See Langlands, J. P. 485 Snowball, K.

See Robson, A. D. 657 Somerset, G.

See Siddique, M. A. 179 Southwell, R. J.

See Doyle, A. D. 563 Sparrow, L. A., and Uren, N. C.

The role of manganese toxicity in crop yellowing (on seasonally waterlogged and strongly acidic soils) in north-eastern Victoria 303

Steed, G. R., Reeves, T. G., and Willatt, S. T.

Effects of deep ripping and liming on soil water deficits, sorptivity and penetrometer resistance 701
Stevens, D.

See Alexander, G. 765, 771 Stovold, G. E., and Francis, Aileen

Studies in the incidence of *Phomopsis phaseoli* (Desm.)
Sacc. in crops and seed of soybean in New South
Wales 317

Wales 317

Strickland, R. W., Lambourne, L. J., and Ratcliff, D.

A rat bioassay for screening tropical legume forages and seeds for palatability and toxicity 45

Strong, W. M., Dalal, R. C., Cooper, J. E., and Saffigna, P. G. Availability of residual fertiliser nitrogen in a Darling Downs black earth in the presence and absence of wheat straw 295

Strong, W. M., Dalal, R. C., Cooper, J. E., and Saffigna, P. G. Availability of residual fertiliser nitrogen in a Darling Downs black earth in the presence and absence of wheat straw 295

Suiter, R. J., and McDonald, C. L.

Growth of Merino weaners fed grain-based diets while grazing dry pasture or housed in feedlots 629

Taylor, A. J.

Influence of weed competition on autumn-sown lucerne in south-eastern Australia, and the field comparison of herbicides and mowing for weed control 825

Lucerne seedling growth and first year productivity in south-eastern Australia as influenced by sowing date and early winter 833

Taylor, A. J., and Olsson, K. A. Effect of gypsum and deep ripping on lucerne (*Medicago sativa* L.) yields on a red-brown earth under flood and spray irrigation 841

Taylor, G. B.

Determination of seed moisture content in small-seeded pasture legumes 377

Thomas, A. G. See Dann, P. R. 43

Thomas, G. W., and Mickan, F. J.

Effect of heifer size at mating and calving on conception and first lactation production 481

Thorn, C. W., and Perry, M. W.

Effect of chemical removal of grasses from pasture leys on pasture and sheep production 349

Thro, A. M.

Autotoxicity is not implicated as a cause of a dying-centre growth pattern in lotononis 643

Uren, N. C. See Sparrow, L. A. 303 Usher, T. See Redden, R. J. 455 Valentine, S. C., Dobos, R. C., Lewis, P. A., Bartsch, B. D., and Wickes, R. B.

Effect of liveweight gain before or during pregnancy on mammary gland development and subsequent milk production of Australian Holstein-Friesian heifers 195

Vawdrey, L. L.

See Ramsey, M. D. 919

Venn, N. R.

See Roget, D. K. 425

Vogel, P.

See Hancock, G. R. 73

Walkley, J. R. W., Ponzoni, R. W., and Dolling, C. H. S.
Phenotypic and genetic parameters for lamb and hogget
traits in a flock of South Australian Merino
sheep 205

Walsh, G. L., and Birrell, H. A.

Seasonal variations in the chemical composition and nutritive value of five pasture species in south-western Victoria 807

Warren, H.

See Raadsma, H. W. 503

Watts, J. E.

See Raadsma, H. W. 493, 503

Weckert, S. E.

See Lewis, D. C. 711

Whiley, A. W., Pegg, K. G., Saranah, J. B., and Langdon, P. W.

Influence of Phytophthora root rot on mineral nutrient concentrations in avocado leaves 173

White, D. H., and Bowman, P. J.

Economics of feeding energy-based supplements to grazing ewes before mating in order to increase the reproduction rate of a wool-producing flock 11

Wickes, R. B.

See Valentine, S. C. 19:

Wicks, T., Lee, T. C., and Overton, J.

Sensitivity of Australian isolates of *Plasmopara viticola* to acylanaline fungicides 601

Wicks, T., Lomman, G., and Rogers, I. S.

Fungicide control of ringspot (Mycosphaerella brassiciocola) in brussels sprouts 597

Wildermuth, G. B.

See Radford, B. J. 579

Williams, C. H.

See Bromfield, S. M. 533

Willatt, S. T.

See Rab, Md Abdur 165

See Steed, G. R. 701

Wimalajeewa, D. L. S.

Seasonal variation in susceptibility of apricot to Pseudomonas syringae pv. syringae (bacterial canker), and sites of infection in apricot and cherry 475

Winks, R., Burns, M. A., Berrie, D. A., East, I. J., Kelly, J. G., and Bremner, K. C.

Effect of repeated anthelmintic treatment on weight gain in Hereford and Brahman crossbred cattle in south-eastern Oueensland 189

Wolfe, E. C.

See Archer, R. A. 791

Wong, P. T. W.

See Doyle, A. D. 563 Wood, P. McR., Petterson, D. S., Hancock, G. R., and

Brown, G. A.

Distribution of seed infected with *Phomopsis* leptostroniformis and of phomopsin A within a lupin

crop Wright, G. L.

See Greer, E. B. 343

Younger, D.

See Redden, R. J. 455